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\*LIMITED TO MATTERS
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December 17, 2001

WRITER'S DIRECT NUMBER: (202) 371-2675
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Commissioner for Patents Washington, D.C. 20231

**Box Patent Application** 

Re:

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No. To Be Assigned; Filed: Herewith (December 17, 2001)

For: Differential Amplifier With Large Input Common Mode Signal Range

Inventors:

Hongwei Wang et al.

Our Ref:

1875.1260001/JTH/TAD

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17)(in duplicate);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

Differential Amplifier With Large Input Common Mode Signal Range and naming as inventors:

**!** 

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Commissioner for Patents December 17, 2001 Page 2

> Hongwei WANG Ardie VENES

the application consisting of:

- A specification containing: a.
  - i. 27 pages of description prior to the claims;
  - ii. 5 pages of claims (claims 1-20);
  - a one (1) page abstract;
- 12 sheets of drawings: (Figures 1-12); and b.
- A copy of the original executed Declaration; c.
- 4. Application Data Sheet;
- Authorization to Treat a Reply As Incorporating An Extension of Time 5. Under 37 C.F.R. § 1.136(a)(3) (in duplicate);
- 6. Recordation Form Cover Sheet;
- A copy of the executed Assignment to Broadcom Corporation, 7. recordation of which is hereby respectfully requested;
- Our check No. 33561 for \$948.00 to cover: 8.

\$740.00 - Application filing fee;

\$168.00 - fee for excess independent claims; and

\$ 40.00 - Assignment recordation fee; and

Two (2) return postcards. 9.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or

Commissioner for Patents December 17, 2001

Page 3

credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey T. Helvey
Attorney for Applicant
Registration No. 44,757

JTH/TAD:kim
Enclosures
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yed for use through 10/31/2002. OMB 0651-0032
Patent and Track Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

## UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

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Attorney Docket No.		1875.1260001/JTH/TAD	
First Im	ventor	Hongwei WANG	P
Title	Differential A Signal Range	mplifier with Large Input Co	mmon Mode
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			APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ΑL	DDF	PECC TO:	Assistant Comm Box Patent Appl Washington, DC	issioner for Patents ication 20231	Jc61	13
۱	1. [	<b>3</b>	Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)  Applicant claims small entity status.	<ol> <li>CD-ROM or CD-R in duplicate, large table or Computer Pr         (Appendix)</li> <li>Nucleotide and/or Amino Acid Sequence Submission         (if applicable, all necessary)</li> </ol>						r Program
	3. [	<b>z</b> 1	See 37 CFR 1.27.  Specification [Total Pages 33]	a.						
I			(preferred arrangement set forth below) - Descriptive title of the Invention - Cross Reference to Related Applications							i
			- Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix							
ı			- Background of the Invention - Brief Summary of the Invention	ACCOMPANYING APPLICATION PARTS						
l			<ul> <li>Brief Description of the Drawings (if filed)</li> <li>Detailed Description</li> <li>Claim(s)</li> </ul>							
esti.	<u>.</u> .	7	- Abstract of the Disclosure	9.	$\boxtimes$	Assignment Pape	ers (cover shee	et & document(s))		
The little	₄. D 5. C		Drawing(s) (35 U.S.C. 113) [Total Sheets 12] or Declaration [Total Pages 1]	10.		37 CFR 3.73(b) s (when there is an a		Power of Att	orney	
111111	<u> </u>		Newly executed (original or copy)	11.		English Translat	ion Document	(if applicable)		
mult thent then	thalf mail	b	Copy from a prior application (37 CFR 1.63(d))  (for continuation/divisional with Box 18 completed)	12.		Information Disc Statement (IDS)/		Copies of ID Citations	S	
	] j		i. DELETION OF INVENTOR(S)	13.		Preliminary Ame	endment			
ille att	- <del>-</del>		Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).	14.	X	Two (2) Return I (Should be specification)	•	ırds (MPEP 503)		
1	<u>.</u> 6. <b>∑</b>	<b>a</b>	Application Data Sheet. See 37 CFR 1.76.	15.		Certified Copy o		ument(s)		
1,1				16.		Nonpublication Rec	•	J.S.C. 122 (b)(2)(B)(i	). Applicant	must attach
	j L			17.	$\boxtimes$	Other: Author	rization under	37 C.F.R. § 1.136	(a)(3)	
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## **FEE TRANSMITTAL** for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT 948.00

Complete if Known				
Application Number	To Be Assigned			
Filing Date	Herewith (December 17, 2001)			
First Named Inventor	WANG			
Examiner Name	To Be Assigned			
Group Art Unit	To Be Assigned			
Attorney Docket No.	1875.1260001/JTH/TAD			

MET	FEE CALCULATION (continued)							
1.   The Cor indicated	nmissioner is hereby authorized to charge fees and credit any overpayment to:	3. ADDI Large	TIONAI Entity		Entity			
Deposit Account Number	19-0036	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee De	escription	Fee paid
Deposit Account Name	Sterne, Kessler, Goldstein & Fox P.L.L.C.	105	13	0 205	65	Surcharge - late filing fe	ee or oath	
		127	5	0 227	25	Surcharge - late provisional	filing fee or cover sheet	:
☐ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17 ☐ Applicant claims small entity status See 37 CFR 1.27			130	0 139	130	Non-English specific	cation	
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Check Credit card Money Order Other*  Chiarge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.			110	215	55	Extension for reply with	thin first month	
	FEE CALCULATION	116	400	216	200	Extension for reply will	thin second month	
1 BASIC FILING	FEE	117	920	217	460	Extension for reply with	thin third month	
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101 740 201		119	320	219	160	Notice of Appeal		
106 330 206	165 Design filing fee	120	320	220	160	Filing a brief in suppor	t of an appeal	
107 510 207	255 Plant filing fee	121	280	221	140	Request for oral heari	ng	
107 510 207 108 740 208	370 Reissue filing fee	138	1,510	138	1,510	Petition to institute a p	ng	
114 160 214	80 Provisional filing fee	140	110	240	55	Petition to revive - una		
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SUBTOTAL (1) (\$) 740.00		142	1,280	242	640	Utility issue fee (or rei	ssue)	
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		144	620	244	310	Plant issue fee		
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2. EXTRA CLAIM	FEES Fee from Extra below Fee Paid	123	130	123	130	Petitions related to pro	•	
Total Claims 20	- 20** = X18 =0-	126	180	126	180	Submission of Informa	ation Disclosure Str	mt
Indep. Claims5	- 3** = <u>2</u> X <u>84</u> = <u>\$168.00</u>	581	40	481	40	Recording each patent property (times number		\$40.00
Multiple Dependen	=	146	740	246	370	Filing a submission af (37 CFR 1.129(a))	ter final rejection	
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Code (\$) Cod 103 18 203	9 Claims in excess of 20	179	740	279	370	Request for Continued	d Examination (RCI	E)
102 84 202 104 280 204	<ul> <li>42 Independent claims in excess of 3</li> <li>40 Multiple dependent claim</li> </ul>	169	900	169	900	Request for expedited application	examination of a	design
108 84 209	42 **Reissue independent claims over original	Other fee	(specify)	:				
110 18 210	patent 9 **Reissue claims in excess of 20 and over original patent	Other fee	(specify)	:				
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SUBMITTED BY		T <sub>i</sub>			1	Complete (if app	ucable)	
Name (Print/Type			Registration Attorney/Agent	No.	44,757	Telephone	202-371-2600	
Signature Date 12/17/01  WARNING: Information on this form may become public Credit cord information should not								

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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

SKGF Rev. 10/01/01 mnac

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Wang et al.

Appl. No. To Be Assigned

Filed: Herewith (December 17, 2001)

Differential Amplifier with Large

**Input Common Mode Signal** 

Range

Confirmation No.

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 1875.1260001/JTH/TAD

Authorization To Treat A Reply As Incorporating An Extension Of Time Under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents Washington, D.C. 20231

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey T. Helvey

Attorney for Applicants

Jeff Helvey

Registration No. 44,757

Date: 12/17/01

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